CT1/6U-CT2/8U TELEPHONE SWITCHBOARDS

USER GUIDE

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TELEPHONE SWITCHBOARDS CT1/6U-CT2/8U

USER GUIDE

Congratulations on your purchase of switchboard CT1/6U-CT2/8U. Your are now the owner of a truly comprehensive system designed to meet your business and home. To get the most out of your switchboard, exploiting its features and functions to the full, we suggest you read this manual carefully and keep it handy for future reference.

WARNING. Work inside the set should be performed by qualified technical personnel only.

BPT S.p.A.,
based in Italy in Via Roma, 41
30020 Cinto Caomaggiore VE,
hereby declares on its own responsability that the switchboards conform to the standards given below.

Electromagnetic compatibility
(EMC directive 89/336/CEE)

- emission EN 55022, EN 61000-3-2, EN 61000-3-3;
- immunity EN 55024, EN 61000-4-2, EN 61000-4-3, EN 61000-4-4, EN 61000-4-5, EN 61000-4-6, EN 61000-4-8, EN 61000-4-11.

Electrical safety
(LVD 73/23/CEE)

- EN 60950.

Directive 1999/5/EC on radio equipment and telecommunications terminal equipment and the mutual recognition of their conformity.

- TBR 21, EG 201 121, ES 201 187, ETS 300 778-1.

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FOREWORD

Telephone switchboards CT1/6U and CT2/8U enable up to 6 or 8 telephone sets respectively to be used for intercom functions and to access one or two telephone lines. Suitable interface cards can be employed to connect the switchboard to an audio or video entry control installation, with such options as door lock release, self-connection to entry panels to monitor entrances and other auxiliary commands.

- The CT1/6U telephone switchboard can handle 6 receivers and 1 outside line plus 1 optional GSM line.
- The CT2/8U telephone switchboard can handle 8 receivers and 2 outside lines plus 1 optional GSM line.

The following optional cards can be employed to implement the switchboard's additional features:

CTI/200 - interface card for series-200 audio and video entry control installations for managing two calls, two door lock release commands and up to three auxiliary commands;

CTI/300 - interface card for series-300 audio and video entry control installations for managing two calls, one door lock release command and up to four auxiliary commands;

CTI/304 - video interface card for series-300 video entry control systems;

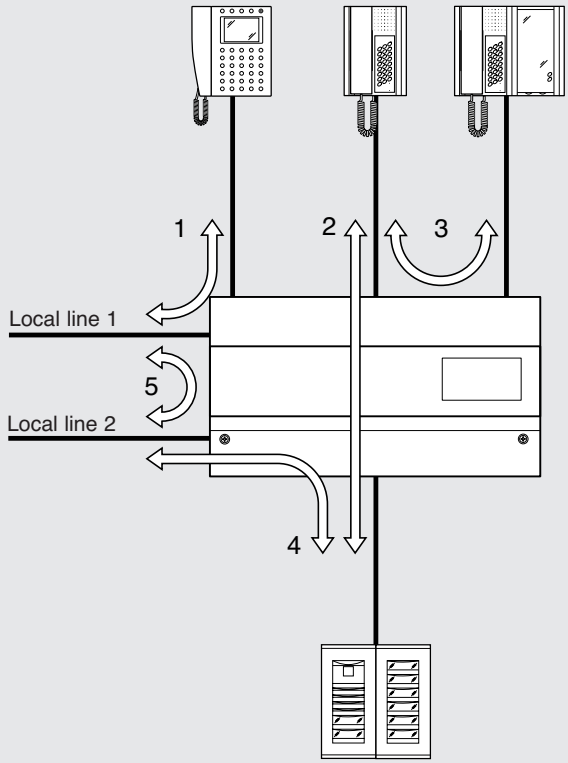
CTI/GSM - GSM card with antenna for use in managing a local telephone line (GSM);

CTM/… - music card (various melodies);

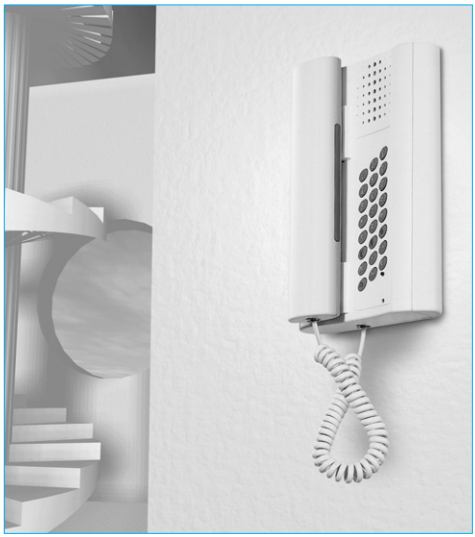
CTM/GV - music card with voice guide with 4 voice prompts and announcements;

Types of calls possible with the switchboard

1 - Telephone call on local line.
2 - Communication with entry panel.
3 - Call between internal telephone.
4 - Communication between entry panel and local line.
5 - Telephone call on local line rerouted to stored external number (with CT2/8U only).
Password-protected unrestricted dialling on outside line (with CT2/8U only).



BPT TELEPHONE RECEIVERS



XT/200

The telephone features commands that can be used when connected to BPT system-200, 300 and X2 audio entry installations.

If the receivers' commands associated with audio entry functions (e.g. door lock release) are not working properly, get in touch with BPT's Technical Support to have the set's version checked.

Command description	Dedicated key	Key-in command	
		System 200	System 300 and X2
Door lock release 1 (•)	⊸	R 5 0	R * 5 0
Self-connection to entry panel	-	* 5 2	-
Self-connection/entry panel switching	-	-	* 5 2 / R * 5 2
Auxiliary 1/entry panel switching (•)	•	R 5 3	-
Auxiliary 1	•	-	R * 5 3
Porter call 1 (auxiliary P1)	▱	R * 5 4	R * 5 4
Interlocutor switching	☎	R 4 4	R 4 4
Door lock release 2 (•)	-	R 5 1	-
Auxiliary 3	-	-	R * 5 1
Porter call 2 (auxiliary P2)	-	R * 5 5	-
Auxiliary 4	-	-	R * 5 5

(•) Enabled with audio communication with entry panel in progress.

BPT TELEPHONE RECEIVERS

XT/200+XV/200
XT/200+XVC/200

The receivers feature commands that can be used when connected to BPT system-200, 300 and X2 video entry installations.

If the receivers' commands associated with video entry functions (e.g. door lock release, self-connection to entry panel etc.) are not working properly, get in touch with BPT's Technical Support to have the set's version checked.

Command description	Dedicated key	Key-in command	
		System 200	System 300 and X2
Door lock release 1(•)	⊶	R 5 0	R ✳ 5 0
Self-connection to entry panel	▭	✳ 5 2	-
Self-connection/entry panel switching	▭	-	✳ 5 2 / R ✳ 5 2
Auxiliary 1/entry panel switching (•)	•	R 5 3	-
Auxiliary 1	•	-	R ✳ 5 3
Porter call 1 (auxiliary P1)	▱	R ✳ 5 4	R ✳ 5 4
Interlocutor switching	☎	R 4 4	R 4 4
Door lock release 2 (•)	-	R 5 1	-
Auxiliary 3	-	-	R ✳ 5 1
Porter call 2 (auxiliary P2)	-	R ✳ 5 5	-
Auxiliary 4	-	-	R ✳ 5 5

(•) Enabled with audio communication with entry panel in progress.

BPT TELEPHONE RECEIVERS

IMT/200-IMTC/200

Receivers for use in BPT system-200 video entry control installations.

IM/T-IM/TC

Receivers for use in BPT system-300 and X2 video entry control installations.

The receivers feature commands that can be used when connected to BPT video entry installations.

If the receivers' commands associated with video entry functions (e.g. door lock release, self-connection to entry panel etc.) are not working properly, get in touch with BPT's Technical Support to have the set's version checked.

Command description	Dedicated key	Key-in command	
		System 200	System 300 and X2
Door lock release 1 (•)		R 5 0	R * 5 0
Self-connection to entry panel		* 5 2	-
Self-connection/entry panel switching		-	* 5 2 / R * 5 2
Auxiliary 1/entry panel switching (•)		R 5 3	-
Auxiliary 1		-	R * 5 3
Porter call 1 (auxiliary P1)		R * 5 4	R * 5 4
Interlocutor switching		R 4 4	R 4 4
Door lock release 2 (•)	-	R 5 1	-
Auxiliary 3	-	-	R * 5 1
Porter call 2 (auxiliary P2)	-	R * 5 5	-
Auxiliary 4	-	-	R * 5 5

(•) Enabled with audio communication with entry panel in progress.

STANDARD FUNCTIONS

Call on local line

All telephones connected to the switchboard are enabled to make calls on the local telephone line unless otherwise programmed (see programming manual, page 38).

Whatever the case, ALL receivers can access the outside line for dialling emergency numbers (e.g. 112, 113, 118, etc.) and speed dialling.

Lift the handset and wait for the dial tone.

Dial the desired telephone number on the keypad.

Replace the handset when the conversation is over.

NOTE. The switchboard recognizes the number entered corresponding to a call on an outside line based on the European numbering scheme.
In countries where this numbering scheme is not in effect, you will need to enter prefix (*) (0) or (9) in front of the telephone number to get an outside line.

Answering incoming calls

Lift the handset to answer the call and start conversation.

Replace the handset when the conversation is over.

WARNING. The telephone may ring with the following patterns:
- *1 s and 4 s pause for external call (fixed network or GSM);*
- *0.6 s +0.2 s and 4 s pause for call from other extensions;*
- *0.6 s +0.6 s and 3.6 s pause for call from entry panel.*

Last local number redial

To redial the last number dialled, press button RP.
If the telephone does not feature the RP button, proceed as follows:

Lift the handset and wait for the dial tone.

Dial (*) (4) (5). The last local number is redialled.

Replace the handset when the conversation is over.

Call to other receivers

Lift the handset and wait for the dial tone.

Dial the number of the extension required ((5) (0) ÷ (5) (7)).

Replace the handset when the conversation is over.

STANDARD FUNCTIONS

Call hold and retrieval

If you want to put the interlocutor on hold during a conversation, proceed as follows:

Dial R 2. The interlocutor will hear the hold tone or music (optional card).

To resume conversation:

Dial R #.

Conversation can continue.

WARNING. If your are talking with an internal receiver, you can only put the call on hold from the receiver the call was made from.

Consultation hold

If, during a local telephone call or conversation with the entry panel, you want to put the interlocutor on hold to consult with an receiver, proceed as follows:

Dial R 2. The interlocutor will hear the hold tone or music (optional card).

Dial the number of the receiver you want to consult with (5 0 ÷ 5 7).

To resume conversation on the outside line, wait for receiver consulted to hang up, or

Dial R #.

Interlocutor switching

If you already have a call on hold and you are talking with another interlocutor, you can alternate between the first interlocutor and the second. The interlocutor can be another receiver or an external caller without distinction.

Proceed as follows:

Dial R 4 4 during a conversation in progress whilst you have another interlocutor on hold to alternate between the two. The interlocutor you are not talking with will hear the hold tone or music (optional card).

Dial R # to end the conversation in progress and resume communication with the other interlocutor.

Replace the handset when the conversation is over.

Press the *button on* **bpt** *telephones to switch from on interlocutor to another.*

Call transfer

To transfer a call in progress to another receiver, proceed as follows:

Dial R 2. The interlocutor will hear the hold tone or music (optional card).

Dial the number of the receiver the call is to be transferred to (5 0 ÷ 5 7).

If the receiver called is free

Replace the handset to transfer the call without announcing it.

If the called receiver does not answer after 30 s, the call put on hold is returned to the telephone it was transferred from.

or

Wait for an answer and announce the call.

Replace the handset to transfer the call.

If the receiver called is busy

Dial R # to return to the interlocutor put on hold.

or

Dial R 4 2 to barge in on the conversation in progress (see page 23).

or

Dial R 4 7 to transfer the call to the busy extension.

Replace the handset.

If the called receiver does not answer after 30 s, the call put on hold is returned to the telephone it was transferred from.

Answering a call on the outside line or call from the entry panel during a conversation

If, during a conversation, you hear the call waiting tone (on your own telephone) or another telephone rings to indicate that there is a call coming in on the local line or from the entry panel, you can answer the call proceeding as follows:

Dial R 2. The interlocutor will hear the hold tone or music (optional extra).

Dial * 4 1 once you hear the dial tone to answer the external call. You can now converse with the second interlocutor.

Dial R 2 to put the second interlocutor on hold and then 5 0 ÷ 5 7 for any extension the second interlocutor is to be transferred to.

or

Dial R # to hang up with the second interlocutor and resume conversation with the first.

Pickup of local telephone call or call from entry panel for absent receiver

If your telephone is not ringing, you can answer a call being made to another set. Proceed as follows:

Lift your telephone's handset.

Dial ✳ 4 1 to answer the call.

Replace the handset when the conversation is over.

STANDARD AUDIO ENTRY FUNCTIONS

Door lock release command 1

The door lock release command is only enabled when communication with the entry panel is active. The system is activated following a call from the entry panel or using the self-connection feature (see coming section).

If you are connected to a system-200 installation and want to use the door lock release feature:

Dial R 5 0 to send the door lock release command.
Press the ⊶ button on **bpt** *telephones to send the door lock release command.*

Replace the handset.

WARNING. If connection with the entry panel is not active and your dial R 5, you will end up calling receiver 50.

Or

If you are connected to a system-300 installation and want to use the door lock release feature:

Dial R ✳ 5 0 to send the door lock release command.
Press the ⊶ button on **bpt** *telephones to send the door lock release command.*

Replace the handset.

Auxiliary command 1

With card CTI/… installed, you can send a central auxiliary command.
If you are connected to a system-200 installation, execute this pulse-type command lasting 1 s – only when connection with the entry panel is active – proceeding as follows:

Dial R 5 3.

Press the • button on **bpt** *telephones.*

WARNING. If connection with the entry panel is not active and you dial R 5 3, you will end up calling receiver 53.

If you are connected to a system-300 installation, execute this command proceeding as follows:

Lift the handset and wait for the dial tone.

Dial R ✳ 5 3.

Press the • button on **bpt** *telephones.*

This command may be enabled even when connection with the entry panel is not activate.

STANDARD AUDIO ENTRY FUNCTIONS

Self-connection and switching between entry panels

The entry panel can be activate to monitor the entrance with the aid of audio and images, or to send the door lock release and a number of auxiliary commands, in video entry control installations.
Proceed as follows:

Lift the handset and wait for the dial tone.

Dial (*) (5) (2) to communicate with the entry panel.
Press the ⇦ button on **bpt** *audio/monitor/telephone stations for self-connection to the entry panel.*

If the installation features other entry panels (e.g. a second entrance), you can connect with them by switching between panels.

If you are connected to a system-200 installation, once communication is activated proceed as follows:

Dial (R) (5) (3). Every time this code is repeated, you switch to another entry panel.
Press the • button on **bpt** *telephones to switch between entry panels.*

WARNING. If connection with the entry panel is not active and you dial (R) (5) (3), you will end up calling receiver 53.

If you are connected to a system-300 installation, once communication is activated proceed as follows:

Dial (R) (*) (5) (2). Every time this code is repeated, you switch to another entry panel.
Press the (R) ⇦ button on **bpt** *audio/monitor/telephone stations to switch between the entry panels.*

USEFUL FUNCTIONS

General speed dialling

The 50 general speed dial numbers can be used by all receivers regardless of any direct distance dialling restrictions assigned (see programming manual, page 28).
Proceed as follows:

Lift the handset and wait for the dial tone.

Dial ✳ 4 3 + the code corresponding to the general speed dial number wanted (0 0 ÷ 4 9).

Replace the handset when the conversation is over.

Dedicated speed dialling

The 15 personal speed dial numbers (see programming manual, page 28), specific for each receiver, can be used at any time, even when direct distance dialling restrictions are enabled.
Proceed as follows:

Lift the handset and wait for the dial tone.

Dial ✳ 4 4 + the code corresponding to the personal speed dial number wanted (0 0 ÷ 1 5).

Replace the handset when the conversation is over.

Activating HOTLINE

This function can be used to manage emergency situations.
When the handset is lifted and no number dialled for over 10 s, the receiver is automatically connected to the first free local line (speed dial number **49**, see programming manual, page 28).
To activate the feature, proceed as follows:

Lift the handset of the receiver you want the HOTLINE feature to be activated on and wait for the dial tone.

Dial ✳ 7 2 1 to activate the HOTLINE feature.

Wait for the 3 acknowledgement tones and replace the handset.

To disable the feature:

Lift the handset of the receiver you want the HOTLINE feature to be disabled on and wait for the dial tone.

Dial ✳ 7 2 0 to disable the HOTLINE feature.

Wait for the 3 acknowledgement tones and replace the handset.

Call rerouting from entry panel to local line

A call from the entry panel can be rerouted to a stored external number (speed dial number **47**, see programming manual, page 28).
This feature is useful if you want to answer a call from the entry panel with a remote telephone when you are away from the house or office. The length of conversation is controlled by the video or audio entry control installation's timer. To activate the feature, proceed as follows:

Lift the handset of receiver **50** only.

Dial ✳ 9 2 1.

Wait for the 3 acknowledgement tones and replace the handset

or

if the switchboard is only connected to a mobile telephone system (CTI/GSM) and you want to activate call transfer

Dial ✳ 9 2 2.

Wait for the 3 acknowledgement tones and replace the handset.

To disable the feature:

Lift the handset of receiver **50** only.

Dial ✳ 9 2 0.

Wait for the 3 acknowledgement tones and replace the handset.

Once this function has been activated, from a remote telephone it is possible to communicate with an entry panel and also to give only commands P1 and P2 (see page 28 of the "User's Manual").

USEFUL FUNCTIONS

Callback feature: outside line queuing or busy receiver callback

A user of an extension finding that the outside lines assigned to it during programming are not free, or the extension called is busy, can activate the automatic callback feature proceeding as follows:

Dial (R) (4) (1) to activate queuing so that you will be called back as soon as an outside line is free, or to activate automatic callback by the busy receiver you are trying to call.

Wait for the 3 acknowledgement tones and replace the handset.

Outside line is free

When the call back comes in - with a ringing pattern of 3 rings lasting 0.2 s and a 4 s pause - lift your telephone's handset and wait for the dial tone.

Dial the desired number.

Replace the handset when the conversation is over.

Extension is free

When the call back comes in - with a ringing pattern of 3 rings lasting 0.2 s and a 4 s pause - lift the handset. You will hear the call control tone sent to the receiver the callback feature is activated on.

When the receiver answers, conversation can commence. Replace the handset when the conversation is over.

Local line call park to change receiver

This feature lets you put the interlocutor of a local line call on hold temporarily (up to 2 min) and to resume conversation via any other receiver.
Proceed as follows:

Dial (R) (4) (0) during a conversation in progress on the outside line.
The interlocutor will hear the hold tone or music (optional card).

Wait for 3 acknowledgement tones and replace the handset.

Lift the handset of any other receiver within 2 min and wait for the dial tone.

Dial (*) (4) (0) to retrieve the external call put on hold.

Replace the handset when the conversation is over.

USEFUL FUNCTIONS

Privacy (do-not-disturb feature)

The **do-not-disturb** feature lets you turn off your telephone's ring, and callers are answered with the busy tone.
To enable or disable, proceed as follows:

Lift your telephone's handset and wait for the dial tone.

Dial ✳ 6 4 1 to disable your ring for any incoming calls.

Or

dial ✳ 6 4 2 to disable your ring for calls on the local telephone line and from the entry panel only.

Or

dial ✳ 6 4 3 to disable your ring for calls coming from other receivers only.

Or, to disable the feature

dial ✳ 6 4 0.

Wait for the 3 acknowledgement tones and replace the handset.

Automatic alarm message to stored external telephone number

With card CTI/... installed, you can manage sending of an alarm warning to a preset external telephone number (speed dial number **46**, see programming manual, page 28).
The person the alarm is sent to will receive a warning in the shape of a telephone call with an acknowledgement tone made up of 3 rings lasting 0.1 s each and a 1.5 s pause, or will receive a voice message if voice guide card CTM/GV has been installed (**optional**).

USEFUL FUNCTIONS

Auxiliary commands P1 and P2

With card CTI/... installed, two auxiliary commands are available.
These commands can be programmed for operation in pulse mode lasting 1 s, or in ON/OFF mode (see programming manual, page 43).

Executing command P1 in pulse mode (monostable)

Lift your telephone's handset and wait for the dial tone.

Dial (R) (*) (5) (4) to execute the command.
Press the (≡) button on **bpt** *telephones to execute the command.*

Replace the handset.

Executing command P1 in ON/OFF mode (bistable)

Lift your telephone's handset and wait for the dial tone.

Dial (R) (*) (5) (4) (1) to execute the command.

Replace the handset.

To disable the command:

Lift your telephone's handset and wait for the dial tone.

Dial (R) (*) (5) (4) (0).

Replace the handset.

The P1 command can also be executed from a remote phone when the DISA automatic answering function has been set (see programming manual, page 33).

Executing command P2 in pulse mode (monostable)

Lift your telephone's handset and wait for the dial tone.

Dial (R) (*) (5) (5) to execute the command.

Replace the handset.

Executing command P2 in ON/OFF mode (bistable)

Lift your telephone's handset and wait for the dial tone.

Dial (R) (*) (5) (5) (1) to execute the command.

Replace the handset.

To disable the command:

Lift your telephone's handset and wait for the dial tone.

Dial (R) (*) (5) (5) (0).

Replace the handset.

The P2 command can also be executed from a remote phone when the DISA automatic answering function has been set (see programming manual, page 33).

Door lock release command 2

To execute this command, proceed as follows:

Dial R * 5 1 to open the second entrance

Wait for the 3 acknowledgement tones and replace the handset.

This command is enabled even when connection with the entry panel is not active.

Additional services supplied by the telephone company

To use additional services supplied by the telephone company, proceed as follows:

I the command entails dialling an R, dial R 4 5 instead.
For instance, if the command you are interested in is R 2, you will have to dial R 4 5 2.

If, on the other hand, it does not entail dialling an R, you will have to dial * 0 before the required sequence.
For instance, if the command you are interested in is * 6 5 #, you will have to dial * 0 * 6 5 #.

WARNING. The SMS service is not supported.

SPECIAL FUNCTIONS

Prime line call

If you want to seize a given outside line, proceed as follows:

Lift the handset and wait for the dial tone.

Dial ✳ 1 1 to seize line 1.

Or

dial ✳ 1 2 to seize line 2.

Or

dial ✳ 1 3 to seize the GSM line (where this option is available).

Wait for the dial tone and dial the desired number.

Replace the handset when the conversation is over.

General address call

Any receiver can make a call to all free extensions. Proceed as follows:

Lift your telephone's handset and wait for the dial tone.

Dial ✳ 6 0 to make a general address call to free receivers.

Once conversation with the receiver answering is over, replace the handset.

SPECIAL FUNCTIONS

Workgroup broadcast

Any receiver can make a call to all free receivers belonging to one of the 4 workgroups (see programming manual, page 27).
Proceed as follows:

Lift your telephone's handset and wait for the dial tone.

Dial (6) (6) ÷ (6) (9) to make a general address call to all receivers in the group wanted.

Replace the handset when the conversation is over.

Temporary override of direct distance dialling restriction

Only people who know the system PASSWORD (see programming manual, page 24) can make a phone call from any receiver on which direct distance dialling has been disable, overriding said restriction to make a single phone call.
Once the call ends, the restriction is automatically reapplied on the receiver.
Proceed as follows:

Lift the receiver and wait for the dial tone.

Dial (*) (6) (5) + the previously programmed **4 digit PASSWORD.**

Wait for the 3 acknowledgement tones and replace the handset.

Lift the handset and wait for the dial tone.

Dial the desired telephone number.

Replace the handset when the conversation is over.

SPECIAL FUNCTIONS

Paging call with 8 call codes

Any receiver can make a call to all free receivers with 8 different call ringing patterns.
Proceed as follows:

Lift the handset and wait for the dial tone.

Dial ✳ 6 1 1 ÷ 6 1 8 to make a coded general address call, identifying the person you are looking for.
The telephone rings 1 s + (1÷8) x 0.5 s with a 2 s pause.
The person being paged can answer from any receiver.

Replace the handset when the conversation is over.

Barge-in

This feature lets you intrude on a conversation in progress with another receiver or external caller in an emergency.
Proceed as follows:

Lift the handset and wait for the dial tone.

Dial 5 0 ÷ 5 7 (number of the receiver required).

Dial R 4 2 when you hear the busy tone.
The barge-in feature is activated.

Once the conversation – accompanied by the barge-in warning tone – is over, replace the handset.

SPECIAL FUNCTIONS

3-way conferencing (2 internal and 1 external)

If you already have a call on hold and you are talking with another interlocutor, you can conference him/her in with the first.
The conferencing feature allows conversation between 1 outside line and 2 receivers or between 3 receivers at the same time.
Proceed as follows:

Dial R 4 3 during the conversation in progress whilst you have another interlocutor on hold to activate 3-way conferencing.

Once the conference call – accompanied by the conference tone – with both interlocutors is over, replace the handset.

Call rerouting

The call rerouting feature lets you divert all external calls destined for your telephone to other receivers.
The system provides the option of assigning each receiver predetermined rerouting or follow-me rerouting.
For predetermined rerouting, you can decide whether to forward the call to an receiver (see programming manual, page 26) or to your own voicemail box (optional card).
Proceed as follows:

Lift the handset and wait for the dial tone.

Dial * 7 0 2 to activate rerouting to a predetermined receiver.

Or

dial * 7 0 4 to activate rerouting to your own voicemail box (optional card).

Or

dial * 7 0 0 to disable previously set rerouting.

Or

dial * 7 0 1 pre-enable the follow-me feature.

Wait for the 3 acknowledgement tones and replace the handset.

SPECIAL FUNCTIONS

Activating follow-me feature

Anyone pre-enabling the follow-me feature from his/her own set (see section entitled **Call rerouting** on page 24), can now activate the feature from the host receiver to receiver telephone calls destined for his/her own set there instead, until the destination is changed again.
To activate the feature, proceed as follows:

Lift the handset of the host set and wait for the dial tone.

Dial ⊛ 7 1 **+ the number of you own receiver (50 ÷ 57)** to activate the follow-me feature on the host set.

Wait for the 3 acknowledgement tones and replace the handset.

Repeat the procedure every time you change position.

Clock alarm/reminder

This function lets any user programme his/her receiver personally with the time the alarm is to go off (see programming manual for instructions on setting the system calendar, page 22).
Proceed as follows:

Lift the handset and wait for the dial tone.

Dial ⊛ 6 7 followed by the hour (**00÷24**) and minutes (**00÷59**), always with 2 digits.

Wait for the 3 acknowledgement tones and replace the handset.

The telephone will ring up to 6 times at the programmed time with a ringing pattern of 3 rings lasting 0.2 s and a 4 s pause.

To disable this feature:

Lift the handset and wait for the dial tone.

Dial ⊛ 6 6 to cancel the alarm call.

Wait for the 3 acknowledgement tones and replace the handset.

WARNING. The alarm feature is valid for 24 hours.
If there is a power failure, the alarm feature will not work.

SPECIAL FUNCTIONS

DAY/NIGHT mode

Receiver 50 is the only telephone enabled to select the DAY (default setting), NIGHT feature.
Proceed as follows:

Lift the handset of **receiver 50 only** and wait for the dial tone.

Dial ✳ 9 0 0 to activate DAY mode.

Dial ✳ 9 0 1 to activate NIGHT mode.

Wait for the 3 acknowledgement tones and replace the handset.

DISA FUNCTIONS

The DISA feature lets you call a specific receiver or send a fax directly from outside the system (see programming manual, page 33).
This feature can be implemented if the external call comes from a telephone with multifrequency dialling (if the telephone is set to decadic mode, pressing ⊛ switches it to multifrequency).

When an external call comes in, the switchboard answers automatically after 2 rings (programmable in the range 2 to 9, see programming manual, page 35), sending the caller the dial tone or, if optional card CTM/GV has been installed, a welcome message and voice prompts.
When the message ends, the switchboard waits a few seconds (programmable in the range 5 to 30, see programming manual, page 34) for the caller to dial a number in multifrequency:
- if the switchboard recognizes the number dialled as that of an receiver, the call is forwarded just to the chosen receiver for 50 s and, if there is no answer, to all receivers with ringing enabled for another 25 s.
- if the receiver does not recognize the number dialled as complete or correct, the call is forwarded to all enabled receivers for 25 s.

When the switchboard's automatic answering is enabled with DISA, the following features are available:

Activation of local telephone call rerouting to stored external number (DISA)

With switchboard CT2/8U (or CT1/6U with CTI/GSM card added), a local call can be rerouted onto the other telephone line and subsequently to a stored external number (speed dial number **48**, see programming manual, page 28).
To activate this feature, proceed as follows:

Lift the handset of **receiver 50 only** and wait for the dial tone.

Dial ⊛ 9 1 1.

Wait for the 3 acknowledgement tones and replace the handset.

To disable this feature:

Lift the handset of **receiver 50 only** and wait for the dial tone.

Dial ⊛ 9 1 0.

Wait for the 3 acknowledgement tones and replace the handset.

WARNING. The DISA facility is temporarily unavailable while this feature is activated.

DISA FUNCTIONS

Executing auxiliary command P1 via local line (DISA)

Executing command in pulse mode (monostable)

Lift your telephone's handset and call the switchboard.

Dial (8) (1) + PASSWORD (see programming manual, page 24).

Wait for the 3 acknowledgement tones and replace the handset.

Executing command in ON/OFF mode (bistable)

Lift your telephone's handset and call the switchboard.

Dial (8) (1) +PASSWORD to execute the command.

Dial (8) (0) +PASSWORD to disable the command.

Wait for the 3 acknowledgement tones and replace the handset.

Executing auxiliary command P2 via local line (DISA)

Executing command in pulse mode (monostable)

Lift your telephone's handset and call the switchboard.

Dial (9) (1) +PASSWORD (see programming manual, page 24).

Wait for the 3 acknowledgement tones and replace the handset.

Executing command in ON/OFF mode (bistable)

Lift your telephone's handset and call the switchboard.

Dial (9) (1) +PASSWORD to execute the command.

Dial (9) (0) +PASSWORD to disable the command.

Wait for the 3 acknowledgement tones and replace the handset.

DISA FUNCTIONS

Call pickup for call on given unattended receiver (DISA)

If a given telephone rings, announcing a call from another receiver or an incoming DISA call on the local line, and you want to answer with your own telephone, proceed as follows:

Lift your handset.

Dial ✱ 4 2 + the number of the receiver ringing (5 0 ÷ 5 7).

Replace the handset when the conversation is over.

Password-protected unrestricted dialling on outside line (DISA)

This feature, only available with switchboard CT2/8U (or CT1/6U with CTI/GSM card added), lets you make a call from a remote phone, getting the second outside line through the actual switchboard.
Proceed as follows:

Lift the handset.

Dial 8 2 +PASSWORD (see programming manual, page 25). Wait for the dial tone.

Dial the desired telephone number.

Replace the handset when the conversation is over.

When the called party or caller ends the conversation, if the telephone company can send this information, the system detects it and instantly frees the busy outside lines.
If the end-of- conversation information is not sent, the backup timer intervenes, freeing the busy outside lines after a default time of 2 min (programmable in the range 1 to 9 min, see programming manual, page 31).

ACCESSORIES

The following optional cards can be employed to implement the switchboards' additional features:

CTI/200 - interface card for series-200 audio and video entry control installations for managing two calls, one door lock release command and up to four auxiliary commands;

CTI/300 - interface card for series-300 audio and video entry control installations for managing two calls, two door lock release commands and up to three auxiliary commands;

CTI/304 - video interface card for series-300 video entry control systems;

CTI/GSM - GSM card with antenna for use in managing a local telephone line (GSM);

CTM/… - music card (various melodies);

CTM/GV - music card with voice guide with 4 voice prompts and announcements;

TONES AND RINGING PATTERNS

Call ringing patterns

Type	Pulse	Pause
Local call	1	4
Call from receiver	0,6+0,2	4
Coded call	1+0,5x(1-8)	2
Call from entry panel	0,6+0,6	3,6
Callback	0,2+0,2+0,2	4

Warning tones

Type	Pulse	Pause	Frequency (Hz)
Dial tone (you can start dialling)	10	0	425+350
Call control (called user free)	1	4	425
Busy (called user engaged)	0,5	0,5	425
Dissuasion (codes dialled are not enabled)	0,1	0,1	425
Barge-in and programming (barge-in warning)	0,2+0,2	1,4	425
Hold (heard by interlocutor put on hold)	0,2+0,2	3,4	425
Call waiting (additional incoming call in NIGHT mode)	0,1	4,9	425
Acknowledgement (acceptance of requested programming)	0,1+0,1+0,1	1,5	425
Call on hold (call on hold during conversation in progress)	0,1	4,9	425
Conference (advises that conference call is in progress)	0,2	9,2	425
Coded general address call	1+0,5x(1-8)	2	425

NOTE. Times are given in seconds.

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BPT S.p.A.
30020 Cinto Caomaggiore
Venezia - Italy

CT1/6U-CT2/8U TELEPHONE SWITCHBOARDS

PROGRAMMING AND INSTALLATION MANUAL

06.2007/2406-6122 B

TELEPHONE SWITCHBOARDS CT1/6U-CT2/8U PROGRAMMING AND INSTALLATION MANUAL

BPT S.p.A.,
based in Italy in Via Roma, 41
30020 Cinto Caomaggiore VE,
hereby declares on its own responsibility that the switchboards conform to the standards given below.

Electromagnetic compatibility
(EMC directive 89/336/EEC)
- emission EN 55022, EN 61000-3-2, EN 61000-3-3;
- immunity EN 55024, EN 61000-4-2, EN 61000-4-3, EN 61000-4-4, EN 61000-4-5, EN 61000-4-6, EN 61000-4-8, EN 61000-4-11.

Electrical safety
(LVD 73/23/CEE)
- EN 60950.

Directive 1999/5/EC on radio equipment and telecommunications terminal equipment and the mutual recognition of their conformity.
- TBR 21, EG 201 121, ES 201 187, ETS 300 778-1.

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WARNINGS

Read the warnings contained herein carefully as they provide important instructions for safe operation, installation and maintenance.

Having removed the packaging, make sure the unit is intact.

The packaging materials (plastic bags, foam polystyrene, etc.) must be kept out of the reach of children as they represent potential sources of danger.

The material must be disposed of according to the laws in force.

The installation of the system must comply with the safety rules in force.

Do not run telephone cables in the same raceways as electrical cables.

Install the unit in a fairly dust-free room, away from units liable to generate high-frequency electrical noise such as welding machines, electric motors, microwave ovens, air conditioners, etc.

It is advisable to install a suitable cutout and safety device upstream of the power supplier.

Before connecting up the unit, make sure the data on the rating plate correspond to the mains power supply.

This unit must be used only for the use for which it was explicitly designed; any other use shall be considered improper and hazardous.

The manufacturer cannot be held responsible for any damage as a result of improper, incorrect and unreasonable use.

Before cleaning or doing any maintenance work on the unit, disconnect it from the mains power supply by opening the system's switch.

In the event the unit is faulty and/or operates poorly, disconnect it from the power supply and do not tamper with it.

When in need of repair work, contact only technical servicing centres authorized by the manufacturer.

Failure to comply with the above provisions may compromise the safety of the unit.

The installer must make sure that the user information, where applicable, is to be found on the unit.

All the equipment making up the system must be used only for the user for which they were designed.

FEATURES

• Access to telephone company's additional services.
• Assignment of receivers enabled to receive and/or seize calls on local lines in day, night mode.
• Assignment of receivers enabled to seize individual local lines for outgoing calls.
• Association of receivers with predetermined rerouting to other receiver.
• Assignment of receivers to receive a call from entry panel made with call button 1 and 2 (optional CTI/…card).
• Assignment of receivers to table of ten permissible 4 digit area codes.
• Assignment of outward dialling restrictions for receivers:
- to external number dialling;
- to international direct dialling;
- to 2 tables of ten 4 digit area codes.
• Assignment of local lines for operation in day, night mode.
• Self-connection to entry panel.
• Interlocutor switching between 2 external calls or between 1 receiver and 1 external call.
• Extension paging call with 8 call codes.
• Workgroup broadcast (4 groups).
• Call to single extension.
• General address call.
• Outgoing call on first free local line or specific line.
• Distinctive ringing (external call, call from receiver, from entry panel, paging call with codes).
• Restore default settings command.
• Automatic fax switching on chosen receiver featuring data protection.
• 3-way conferencing (2 internal and 1 external).
• Consultation hold.
• Call rerouting from entry panel to stored external number (optional CTI/… card).
• External/external call rerouting with automatic forwarding to stored external number.
• Rerouting of all calls:
- to predetermined receiver;
- to receivers specified for follow-me feature;
• Settable flash time for each individual receiver.
• Automatic emergency, should a power failure occur, local line 1 on receiver 50 and local line 2 on receiver 51.
• Alarm management with automatic forwarding to a stored external number (optional CTI/.. card).
• Hotline, 10 s after receiver lifted, automatic forwarding of call to stored external number.
• Barge-in on a conversation in progress.
• External call hold with decadic signal or music/message (optional CTM/… card).
• External call hold.
• Do no disturb (Privacy):
- ringing disable only for external calls and calls from entry panel;
- ringing disable for all calls;
- ringing disabled only for calls from receivers.
• 4 digit password for various services via DISA.
• Option of two door lock release commands (optional CTI/… card) and additional 3 auxiliary commands.
• Automatic outside line queuing or busy receiver callback.
• Switchboard programming via internal telephone 50.
• Last outside number redial.
• Answering of incoming calls during a conversation.
• Call pickup for absent call:
- on local line or from entry panel on any receiver;
- on internal call on a fixed receiver.
• General speed dialling (50 numbers).
• Personal speed dialling (16 numbers for each receiver).
• Decadic and/or multifrequency dialling on internal telephones and on local lines.
• DISA features: inward dialling in multifrequency after system's automatic answer,

announced with dial tone or messages (card CTM/GV):
- dialling an individual receiver;
- password-protected unrestricted dialling on other outside line via remote external telephone;
- password-protected control of 2 supplementary relays, (optional CTI/… card).

• Alarm/reminder for your own receiver.
• Programmable warning tone.
• Screened or blind call transfer to free receiver.
• Call transfer to busy receiver.

GLOSSARY

DECADIC
System transmitting data with pulses.

DISA (Direct Inward System Access)
Automatic dialling system for incoming calls.

DTMF (Dual Tone Multi-Frequency)
System transmitting data in multifrequency (Tones).

ISDN (Integrated Service Digital Network)
Digital telephone line.

MULTIFREQUENCY
See DTMF.

POS (Point Of Sale)
Equipment for payment with cash card.

PSTN (Public Switched Telephone Network)
Analogue telephone line.

QUICK-REFERENCE OPERATING GUIDE

Below is a list of operations for quick installation and use of the switchboard

1 - Install equipment and accessories 10-11
2 - Perform wiring (see diagrams attached), referring to the functions of each single terminal . . . . . .12÷14
3 - Power up the unit.
4 - Make sure the telephones connected are set to multifrequency mode (Tone/DTMF).
NOTE. Telephones designed for use in decadic (Pulse) mode cannot be used to programme the switchboard.
5 - Programme CTI/… interface cards:
- Card CTI/200 (see system type settings) 41
- Card CTI/300 (see call code from entry panel settings) 43
6 - Set the local telephone line type 30
7 - Make sure the whole installation is working properly.
8 - Check volume at entry panel, if interface CTI/…is installed, adjusting the potentiometers on said card as necessary 22
9 - When using switchboard CT2/8U, without the second local line available, the telephones must be disabled so that they cannot make calls on the same line 37

WARNING. If the commands of BPT receivers (XT/200 - IMT/200 - IMTC/200 - IM/T - IM/TC) associated with audio or video entry functions (e.g. door lock release, self-connection to entry panel etc.) are not working properly, get in touch with BPT's Technical Support.

INSTALLATION AND CONNECTIONS

Adding optional cards

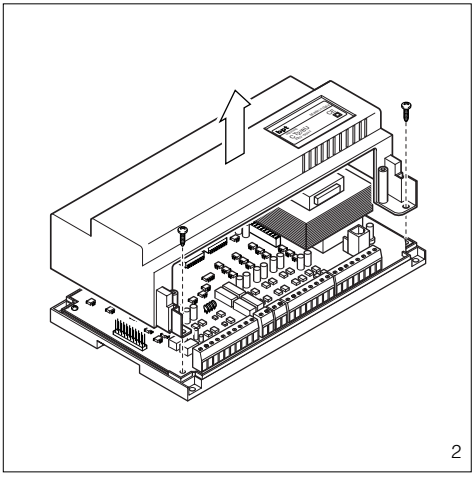
Remove terminal cover (fig. 1) and housing (fig. 2) to get at the terminal blocks.

Insert the optional cards in their respective connectors (fig. 3):

J1- Connector for connecting interface CTI/200 or CTI/300.

J2- Connector for connecting card CTI/GSM.

J3- Connector for connecting cards CTM/…, CTM/GV.



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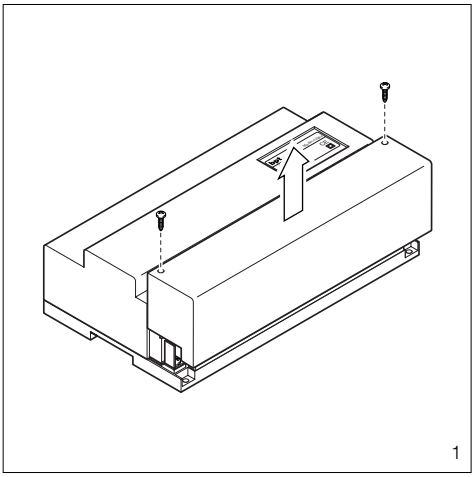

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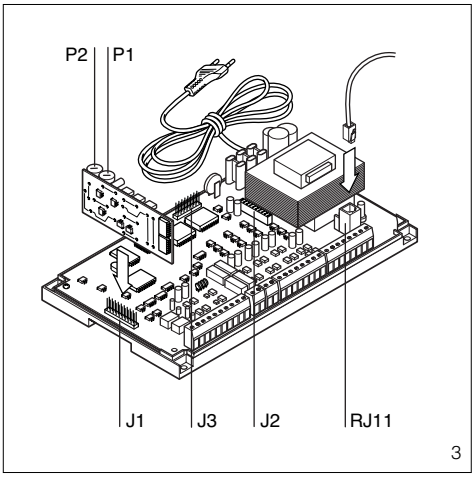


3

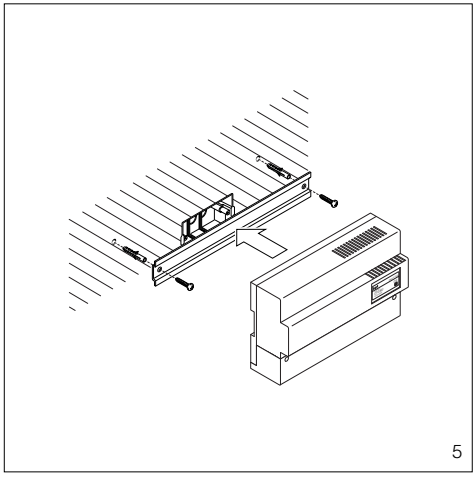
INSTALLATION AND CONNECTIONS

Installing the switchboard

The switchboard can be installed in boxes featuring DIN rails (EN 50022), with no less than a 150 mm gap between rails (fig. 4).
Alternatively, it can be wall mounted using the DIN rail supplied (fig. 5).
See fig. 6 for overall dimensions.

Wiring

To wire telephones, we suggest you use 6/10 mm telephone cable.
Max. length for each extension: 1.000 m.
NOTE. Protect the line if wiring is outdoors.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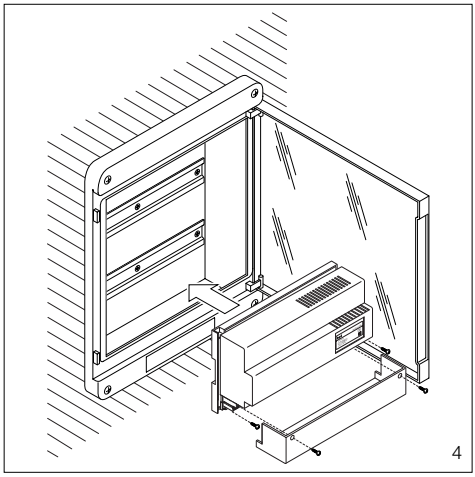
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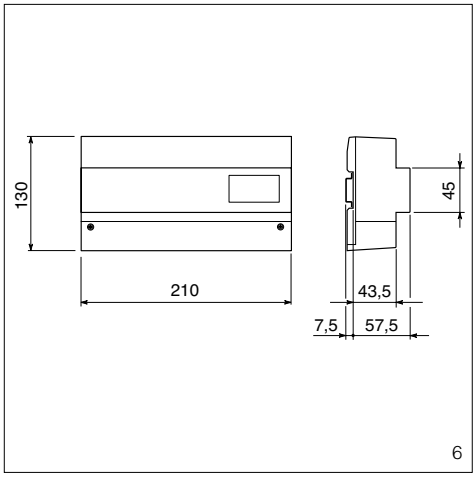


6

Internal settings

Before refitting the housing and terminal cover, adjust volume heard through receiver (potentiometer **P1** in fig. 3) and at the entry panel (potentiometer **P2** in fig. 3) as necessary.
If performing this operation, do so after adjusting the installation's volume from the entry panel.

TERMINAL BLOCKS AND INTERNAL SETTINGS

Function of each terminal
(switchboard CT1/6U fig. 7 - CT2/8U fig. 8)

Terminal block M1
(local line)

a, b — local line no. 1

a, b — local line no. 2 — for CT2/8U only

Terminal block M2
(receivers)

a, b — receiver 50 — Local line 1 emergency

a, b — receiver 51 — Local line 2 emergency (for CT2/8U only)

a, b — receiver 52

a, b — receiver 53

a, b — receiver 54

a, b — receiver 55

a, b — receiver 56 — for CT2/8U only

a, b — receiver 57 — for CT2/8U only

Terminal block M4 with CTI/200
(system-200 audio or video entry control)

5 ground
6 positive
7 call n. 1
7_a call n. 2
8 audio to receiver
9 audio from receiver
E_1 enabling 1
E_2 enabling 2
P_1 auxiliary control (1)
P_2 auxiliary control (1)

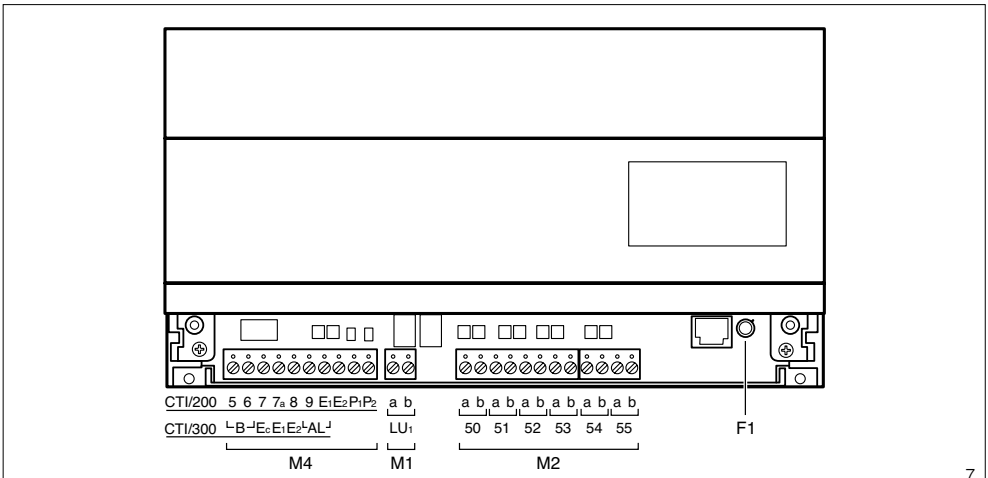
(1) Outputs to earth when activated (24V DC 50 mA).

Terminal block M4 with CTI/300
(system-300 audio or video entry control)

B line input

E_c enabling outputs common — for CTI/304
E_1 enabling output 1 — for CTI/304
E_2 enabling output 2 — for CTI/304

AL alarm input



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TERMINAL BLOCKS AND INTERNAL SETTINGS

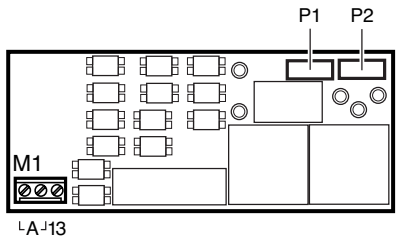
Function of terminals on card CTI/200 (fig. 9)
Terminal block M1

A alarm input

13 door lock release command 2 (1)
(1) Output to earth when activated (24V DC 50 mA).

Function of potentiometers on cards CTI/200 and CTI/300 (fig. 3)
P1 Adjusts volume heard through receiver
P2 Adjusts volume heard at entry panel

WARNING!
The unit should be connected to analogue telephone lines only, and not to digital ISDN lines.
When using an ISDN socket, one or two analogue lines must be branched off it.
When using NT1 PLUS analogue sockets, the switchboard must be protected by connecting an 82 Ω 1 W resistive load to each of the telephone line's wires (fig. 10).



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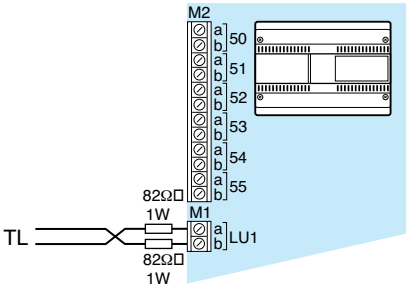

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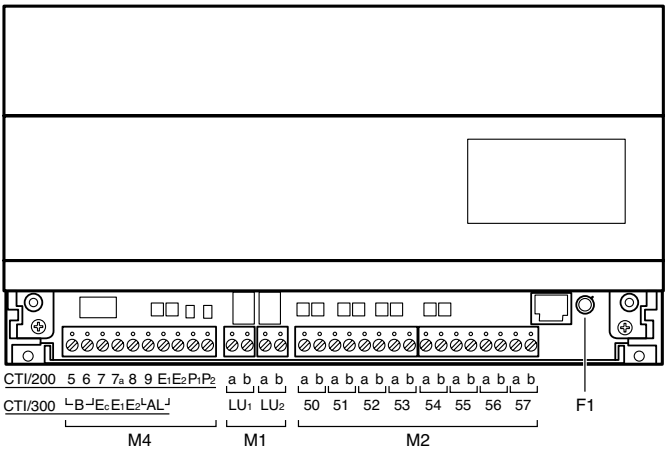

8

SPECIFICATIONS

- Power supply: 230 V AC ±10 % 50 Hz, protected by the slow fuse F1 (fig. 7-8), T 500 mA (F=fast, T=slow).
- Current demand: max. 17 VA.
- Output voltage for each receiver: 24 V.
- Frequency deviation: to CCITT standards.
- Relative humidity: max. 90%.
- Working temperature range: from 0 °C to +45 °C.
- Dimensions: 210x130x65 mm.

The switchboard comes with a buffer battery so that data are not lost should a power failure occur.

WARNING. Danger of explosion if the battery is not replaced properly.
Only replace with a battery of the same or equivalent type recommended by the manufacturer.
Dispose of used batteries following the manufacturer's instructions.

COMMAND SUMMARY TABLE

Table summarising auxiliary commands available using the telephone and relevant outputs for activating functions

Command	System 200	System 300 and X2
Auxiliary 1/entry panel switching	terminal 22 terminal block B VA/200	-
Auxiliary 1	-	(1) (2)
Porter call (auxiliary P1)	terminal P1 terminal block M4 CT1/6-2/8U	-
Auxiliary 2	-	(1) (2)
Door lock release 2	terminal 13 terminal block M1 CTI/200	-
Auxiliary 3	-	(1) (3)
Porter call 2 (auxiliary P2)	terminal P2 terminal block M4 CT1/6-2/8U	-
Auxiliary 4	-	(1) (3)

(1) In system-300 installations, auxiliary commands Aux 1 - Aux 2 - Aux 3 - Aux 4 are available using auxiliary relays.
(2) In X2-system installations, auxiliary commands Aux 1 (•) and Aux 2 (••) are available in the entry panel.
(3) In X2-system installations, auxiliary commands Aux 3 and Aux 4 are available using auxiliary relays.

ACCESSORIES

The following optional cards can be employed to implement the switchboard's additional features:

CTI/200 - interface card for series-200 audio and video entry control installations for managing two calls, two door lock release commands and up to three auxiliary commands;

CTI/300 - interface card for series-300 audio and video entry control installations for managing two calls, one door lock release command and up to four auxiliary commands;

CTI/304 - video interface card for series-300 video control systems;

CTI/GSM - GSM card with antenna for use in managing a local telephone line (GSM);

CTM/… - music card (various melodies);

CTM/GV - music card with voice guide with 4 voice prompts ans announcements;

LINE PROTECTOR LP/MT

The unit can be used to protect the 230 V AC supply line and a local telephone line. For use with very long telephone lines or when located in areas particularly prone to lightning.

It can also be used to protect internal lines when they are installed outside the building.

CONNECTING DEVICES

Fax

Fax connection with switchboard CT1/6U

To connect, proceed as follows:

1 - Programme local line 1 for SWITCH-FAX automatic answer 33

2 - Select the extension chosen for automatic fax switching 26

Fax connection with switchboard CT2/8U

Fax setup can be performed in either of the following ways.

Method 1 (recommended)

By dedicating one for the local lines to incoming fax calls only.

1.1-Enable the machine to receive calls coming in on the local line 36

1.2-Enable the machine to make calls on the local line 37

1.3-Set data protection on the output it is connected to 26

Method 2

By connecting the fax to telephone set and setting automatic answer.

2.1-Programme local line 1 or 2 for FAX-SWITCH automatic answer 33

2.2-Select the extension chosen for automatic fax switching 24

Modem and Modem-Fax

The MODEM AND MODEM-FAX device must be connected instead of a telephone set. Proceed as follows:

1 - Programme the line to which the modem is connected so that it can receive and make calls on the local line only, making sure it is not enabled to receive calls from the entry panel (page 38) 36-37

2 - Set data protection on the output it is connected to 39

3 - If the Fax-Switch automatic answer has been set, make sure the number of rings for the device's automatic answer is greater than the number set for the switchboard's automatic answer (default setting 2).

WARNING. The MODEM and MODEM-FAX device, connected instead of a receiver, affords a maximum data transfer rate of 33.6 Kbps.

If a higher speed unit is used, it must be connected directly to the main telephone line.

CONNECTING DEVICES

Answering machine

The unit can be connected instead of a telephone, or in parallel with it.
The switchboard does not require any kind of programming.
WARNING. Make sure the number of rings for the answering machine's automatic answer is greater than the number set for the DISA feature, where activated.
We recommend you set the number of rings to 5.

Telephone-Fax-Answering machine

The unit must be connected instead of a telephone.
The switchboard does not require any kind of programming.
WARNING. Make sure the number of rings for the device's automatic answer is greater than the number set for the DISA feature, where activated.
We recommend you set the number of rings to 5.

POS

The POS device must be connected instead of a telephone.
Proceed as follows:
1 - Programme the line to which it is connected, disabling the extension so that it cannot receive any calls and making sure it is not enabled to receive calls from the entry panel (pag. 38) 36
2 - Set data protection on the output it is connected to 25

CONNECTING ISDN SOCKETS

The switchboard can be connected to the socket's analogue outputs (a-b).
For the switchboard to work properly, programme the socket as follows.
1 - Disable the call waiting indicator advising the caller that the switchboard is busy.
2 - Make sure calls are addressed to just one of the two outputs.
This is to avoid false calls.
WARNING. Any malfunctions (such as low audio, incoming calls not announced, no call forwarding) might be the result of incorrect socket settings.

ENTERING AND EXITING PROGRAMMING

Entering and exiting programming procedures

Receivers 50 is the only one enabled for programming procedures.
To enter programming mode, proceed as follows:

Lift the handset and wait for the programming tone.

Dial ✳ 9 9 9 9.

Wait for the 3 acknowledgement tones and replace the handset.

*You can now commence the programming procedure on **receiver 50**; when you lift the handset, you will hear the programming tone prompting you to dial.*
*Receiver 50 **is not enabled** to make telephone calls when in programming mode.*

To exit programming mode, proceed as follows:

Lift the handset and wait for the programming tone.

Dial 9 9.

Wait for the 3 acknowledgement tones and replace the handset.

*When you lift the handset of **receiver 50**, you will now hear the usual dial tone meaning telephone calls can be made.*

Restoring default settings

To delete programmed data and restore initial default values, except for **speed dial numbers, the local area code**, proceed as follows:

Lift the handset and wait for the programming tone.

Dial (0) (2) to restore default settings, except for those mentioned above.

Wait for the 3 acknowledgement tones and replace the handset.

To delete stored **speed dial numbers and telephone traffic data** as well, proceed as follows:

Lift the handset and wait for the programming tone.

Dial (0) (1) to delete speed dial numbers and telephone traffic data.

Wait for the 3 acknowledgement tones and replace the handsetr.

GENERAL PROGRAMMING

Option determining dialling mode for each local line

To select the dialling mode – multifrequency or decadic – for each individual local line (**default setting is multifrequency**), proceed as follows:

Lift the handset and wait for the programming tone.

Dial (4) (0).

Dial (1) or (2) depending on the number of the chosen local line.

Dial (0) for **decadic dialling mode.**

or

Dial (1) for **multifrequency dialling mode.**

Wait for the 3 acknowledgement tones and replace the handset.

Repeat the procedure for any local lines you want a different dialling mode for.

Updating system calendar

To initialize or update the system calendar, proceed as follows:

Lift the handset and wait for the programming tone.

Dial (8) (0).

Enter data for the **time** (hours, minutes, seconds) and **date** (day, month, year, day of the week) in sequence **using 2 digits for each.**

Wait for the 3 acknowledgement tones and replace the handset.

For instance, to enter the following data for the system calendar:

11 hr, 25 min, 30 s,
28 February 2002, Thursday,
you must enter

(1) (1) (2) (5) (3) (0)
(2) (8) (0) (2) (0) (2) (0) (4).

NOTE
- The switchboard comes with a buffer battery so that data are not lost should a power failure occur.
- The system calendar must be adjusted for daylight saving.

GENERAL PROGRAMMING

Local line access time after hang-up

The time for accessing the local line after hanging up when a conversation is over (**default setting 3 s**) can be decreased.
Proceed as follows:

Lift the handset and wait for the programming tone.

Dial (4) (3) (1) to set the time to 0.3 s.

or

Dial (4) (3) (0) to set the time to 3 s.

Wait for the 3 acknowledgement tones and replace the handset.

Local call waiting notification option

When a call on local line reaches a busy receiver, you can decide whether the call waiting tone should be given in all cases (**default setting**), or only when no other receivers are free.
Proceed as follows:

Lift the handset and wait for the programming tone.

Dial (4) (7) (0) to **always send the tone.**

or

Dial (4) (7) (1) to send the **tone only when no other enabled handset are free.**

Wait for the 3 acknowledgement tones and replace the handset.

GENERAL PROGRAMMING

Internal hold option

To determine the internal hold type, choosing between the hold tone (**default setting**) or music/hold message provided by the optional CTM/…card, proceed as follows:

Lift the handset and wait for the programming tone.

Dial (4) (9) (0) for **hold tone.**

or

Dial (4) (9) (1) for **music/hold message.**

Wait for the 3 acknowledgement tones and replace the handset.

Entering system password

To select the 4 digits forming the system password, which enables only authorized persons to use certain features (remote execution of P1 and P2 commands, activation of local call rerouting onto another local line, temporary override of direct distance dialling restrictions) proceed as follows:

Lift the handset and wait for the programming tone.

Dial (6) (9).

Enter any 4 digits as the system password.

Wait for the 3 acknowledgement tones and replace the handset.

GENERAL PROGRAMMING

Enabling long flash on receivers

To assign receivers using standard American telephone sets the long flash time, proceed as follows:

Lift the handset and wait for the programming tone.

Dial (2) (9).

Enter in sequence, for each of the 8 receivers, (*) (on), or (#) (off).

Wait for the 3 acknowledgement tones and replace the handset.

Choosing receiver for automatic fax switching

When using a fax, and when automatic answer has been enabled (see page 33), you need to select the receiver this device must be connected to.
Data protection is applied on the chosen extension automatically and it is no longer enabled to receive incoming local calls.
Proceed as follows:

Lift the handset and wait for the programming tone.

Dial (3) (0).

Enter in sequence, for each of the 8 receivers, (*) (on), or (#) (off).

Wait for the 3 acknowledgement tones and replace the handset.

Exemple with switchboard CT1/6U
To select receiver 53, enter:

(#) (#) (#) (*) (#) (#) (#) (#).

WARNING. If you try to enter a second receiver, the system gives the dissuasion tone.

GENERAL PROGRAMMING

Assigning receivers with data protection

When connecting a fax or modem to an internal line, data protection (no default setting) must be enabled to stop system signals (e.g. call waiting, busy warning) from being received.
Proceed as follows:

Lift the handset and wait for the programming tone.

Dial (3) (3).

Enter in sequence, for each of the 8 receivers, (*) (on), oppure (#) (off).

Wait for the 3 acknowledgement tones and replace the handset.

*WARNING. Programming is not necessary if the **Choosing receiver for automatic fax switching** option has already been set.*

Local call ring delay on each receiver

To apply a local call ring delay (**default setting 0**), for one or more receivers, programmable in the range 0 to 9 rings, proceed as follows:

Lift the handset and wait for the programming tone.

Dial (6) (2).

Dial (5) (0) ÷ (5) (7) for the receiver the ring delay is to be applied to.

Dial (0) ÷ (9) to determine the ring delay to be applied.

Wait for the 3 acknowledgement tones and replace the handset.

Repeat the procedure for each receiver the ring delay is to be applied on.

GENERAL PROGRAMMING

Association of receivers with predetermined rerouting to other receiver

To associate any receiver with another for subsequent predetermined rerouting, proceed as follows:

Lift the handset and wait for the programming tone.

Dial (7) (5).

Dial (5) (0) ÷ (5) (7) for the receiver activating rerouting.

Dial (5) (0) ÷ (5) (7) for the receiver to which the call will be rerouted.

Wait for the 3 acknowledgement tones and replace the handset.

Repeat the procedure for each receiver to be associated with others.

*WARNING. Refer to the **Call rerouting** section in the user guide for instructions on call rerouting.*

Creating workgroups

Receivers can be entered in 4 workgroups. Each workgroup is associated with a general address number (see **Workgroup broadcast** in the user guide).
Proceed as follows:

Lift the handset and wait for the programming tone.

Dial (1) (8).

Dial (1) ÷ (4) for the number of the workgroup.

Enter in sequence, for each of the 8 receivers, (*) (onn), or (#) (off).

Wait for the 3 acknowledgement tones and replace the handset.

Repeat the procedure for all workgroups you want to create or edit.

ENTERING SPEED DIAL NUMBERS

Entering 50 general speed dial numbers

The 50 general speed dial numbers (no more than 20 digits) can be used freely by all receivers without any limitation associated with any dialling restrictions assigned to them.
To enter or edit them, proceed as follows:

Lift the handset and wait for the programming tone.

Dial (7) (0).

Dial (0) (0) ÷ (4) (9) for the storage location.

Dial the telephone number (up to 20 digits long) to be stored.

Wait for the 3 acknowledgement tones and replace the handset.

Repeat the procedure for each storage location to be programmed.

WARNING. The following storage locations have been designated specifically for:

- ***46 alarm forwarding to external number** feature.*
- ***47 entry panel call rerouting onto external line** feature.*
- ***48 external call rerouting onto other external line** feature **(on CT2/8U for)**.*
- ***49 hotline timed forwarding on external line** feature.*

Entering 16 personal speed dial numbers for each receiver

The 16 speed dial numbers assigned to each individual receiver (no more than 20 digits) can be used freely by said receiver, without any limitation associated with any dialling restrictions assigned.
To enter or edit them, proceed as follows:

Lift the handset and wait for the programming tone.

Dial (7) (1).

Dial (5) (0) ÷ (5) (7) fot the receiver that will be using them.

Dial (0) (0) ÷ (1) (5) for the storage location.

Dial the telephone number (up to 20 digits long) to be stored.

Wait for the 3 acknowledgement tones and replace the handset.

Repeat the procedure for each receiver and for each storage location to be programmed.

AREA CODE MANAGEMENT

The switchboard lets you manage external call inhibition for 20 area codes and enabling for 10 area codes, divided into three tables.

Entering inhibited area codes in table 1

To enter 10 area codes to be inhibited in table 1, proceed as follows:

Lift the handset and wait for the programming tone.

Dial (7) (2) (0) ÷ (7) (2) (9) for the storage location.

Enter the area code (up to 4 digits) to be stored.

Wait for the 3 acknowledgement tones and replace the handset.

Repeat the procedure for each storage location to be programmed.

Entering inhibited area codes in table 2

To enter 10 area codes to be inhibited in table 2, proceed as follows:

Lift the handset and wait for the programming tone.

Dial (7) (3) (0) ÷ (7) (3) (9) for the storage location.

Enter the area code (up to 4 digits) to be stored.

Wait for the 3 acknowledgement tones and replace the handset.

Repeat the procedure for each storage location to be programmed.

AREA CODE MANAGEMENT

Entering 10 permissible area codes in table 3

To enter 10 permissible area codes codes in table 3, proceed as follows:

Lift the handset and wait for the programming tone.

Dial (7) (4) (0) ÷ (7) (4) (9) for the storage location.

Enter the area code (up to 4 digits) to be stored.

Wait for the 3 acknowledgement tones and replace the handset.

Repeat the procedure for each storage location to be programmed.

International direct dialling restriction on receivers

To disable international direct dialling on receivers, proceed as follows:

Lift the handset and wait for the programming tone.

Dial (2) (4).

Enter in sequence, for each of the 8 receivers, (*) (on), or (#) (off).

Wait for the 3 acknowledgement tones and replace the handset.

Example with switchboard CT2/8U

To disable dialling on receivers 50, 51, 52 and 57, enter:

(2) (4) (*) (*) (*) (#) (#) (#) (#) (*).

AREA CODE MANAGEMENT

Disabling dialling of table 1 area codes receivers

To disable dialling of table 1 area codes on receiver, proceed as follows:

Lift the handset and wait for the programming tone.

Dial (2) (5).

Enter in sequence, for each of the 8 receivers, (*) (disabled), oppure (#) (not disabled).

Wait for the 3 acknowledgement tones and replace the handset.

Example with switchboard CT2/8U

To disable dialling on receivers 50, 51, 52 and 57, enter :

(2) (5) (*) (*) (*) (#) (#) (#) (#) (*).

Disabling dialling of table 2 area codes receivers

To disable dialling of table 2 area codes on receiver, proceed as follows:

Lift the handset and wait for the programming tone.

Dial (2) (6).

Enter in sequence, for each of the 8 receivers, (*) (disable), oppure (#) (not disable).

Wait for the 3 acknowledgement tones and replace the handset.

Example with switchboard CT2/8U

To disable dialling on receivers 50, 51, 52 and 57, enter

(2) (6) (*) (*) (*) (#) (#) (#) (#) (*).

Enabling dialling of table 3 area codes on receivers

To enable dialling of permissible area codes on receivers, regardless of any dialling restrictions applied (direct distance dialling, table1, table 2), proceed as follows:

Lift the handset and wait for the programming tone.

Dial (2) (7).

Enter in sequence, for each of the 8 receivers, (*) (on), or (#) (off).

Wait for the 3 acknowledgement tones and replace the handset.

Example with switchboard CT2/8U

To enable dialling on receivers 50, 51, 52 and 57, enter :

(2) (7) (*) (*) (*) (#) (#) (#) (#) (*).

DISA PROGRAMMING

The DISA feature lets you call a specific receiver or send a fax directly from outside the system.
The feature can be implemented if the external call comes from a telephone with multifrequency dialling (if the telephone is set to decadic mode, pressing (*) switches it to miltifrequency).

When an external call comes in, the switchboard answers automatically after 2 rings (programmable in the range 2 to 9), sending the caller the dial tone or, if optional card CTM/GV has been installed, a welcome message and voice prompts.
When the message ends, the switchboard waits a few seconds (programmable in the range 5 to 30) for the caller to dial a number in multifrequency:
- if the switchboard recognizes the number dialled as that of an receiver, the call is forwarded just to the chosen receiver for 50 s and, if there is no answer, to all receivers with ringing enabled for another 25 s.
- if the switchboard does not recognize the number dialled as complete or correct, the call is forwarded to all enabled receivers for 25 s.

Option determining incoming local lines for switchboard's automatic answer (DISA, FAX-SWITCH)

To activate the **automatic answer feature (not activated by default)** for FAX-SWITCH (automatic detection of fax signal) and/or DISA, proceed as follows:

Lift the handset and wait for the programming tone.

Dial (4) (1).

Dial (1) or (2) or (3) depending on the number of the chosen local line (3 for GSM line).

Dial (0) for **automatic answer feature not activated.**

or

Dial (1) to **activate automatic answer features for FAX-SWITCH.**

or

Dial (4) to **activate automatic answer features for DISA.**

or

Dial (5) to **activate automatic answer features for DISA and FAX-SWITCH.**

Wait for the 3 acknowledgement tones and replace the handset.

Repeat the procedure for local lines whose type of use you want to change.

DISA PROGRAMMING

Option determining number of rings for switchboard's automatic answer (DISA, FAX-SWITCH)

To choose the number of rings for incoming external calls (programmable in the range 2 to 9) before the switchboard answer automatically (**default setting 2 rings**), proceed as follows:

Lift the handset and wait for the programming tone.

Dial (5) (3).

Dial (2) ÷ (9) to choose the number of rings after which the switchboard answers automatically.

Wait for the 3 acknowledgement tones and replace the handset.

WARNING. An incoming local call must be answered after the set number of rings for the call type to be detected automatically.

Option determining dialling waiting time after switchboard's automatic answer (DISA, FAX-SWITCH)

The default setting for the number dialling waiting time or for sending the fax tone following the switchboard's automatic answer is 10 s, though it can be edited in the range 5 to 30 s.
Once this time is up, the call will be sent to receivers enabled to receive local calls. Proceed as follows:

Lift the handset and wait for the programming tone.

Dial (5) (7).

Dial (0) (5) ÷ (3) (0) to select the desired wait in seconds.

Wait for the 3 acknowledgement tones and replace the handset.

DISA PROGRAMMING

Setting maximum conversation time of call rerouted onto local line (DISA)

If the telephone company can send information to advise that the called party or caller has ended the conversation, the system detects it and instantly frees the busy outside lines, otherwise the backup timer cuts the call off after 1 to 9 min (**default setting 2 min**).
Proceed as follows:

Lift the handset and wait for the programming tone.

Dial (4) (5).

Dial (1) ÷ (9) for the backup timer in minutes.

Wait for the 3 acknowledgement tones and replace the handset.

Number of rings on telephone to indicate DISA call

You can programme the number of rings of a DISA call (**default setting 9 rings**).
Proceed as follows:

Lift the handset and wait for the programming tone.

Dial (4) (4).

Dial (2) ÷ (9) to set the number of rings.

Wait for the 3 acknowledgement tones and replace the handset.

Option determining type of dial prompt for inward callers (DISA)

To determine the type of dial prompt for DISA inward callers in multifrequency, choosing between tone (**default setting**) or messages provided by optional cards CTM/GV, proceed as follows:

Lift the handset and wait for the programming tone.

Dial (5) (0) (0) for **DISA dial tone.**

or

Dial (5) (0) (1) for **DISA dial prompt messages.**

Wait for the 3 acknowledgement tones and replace the handset.

The LCR system manages automatic selection of telephone companies, meaning that the lowest telephone tariffs are used.
To activate the feature, you will need to stipulate the contract whith at least two telephone companies.

PROGRAMMING CALLS

Enabling receivers to receive calls coming in on local line (DAY mode)

To enable or disable receivers so that they can/cannot receive incoming local calls, and associate them with the individual local line, **in DAY mode (default setting, all receivers are enabled)**, proceed as follows:

Lift the handset and wait for the programming tone.

Dial (1) (0).

Dial (1) or (2) or (3) depending on the number of the chosen local line (3 for GSM line).

Enter in sequence, for each of the 8 receivers, (*) (on), or (#) (off).

Wait for the 3 acknowledgement tones and replace the handset.

Repeat the procedure for incoming local calls whose enabled/disabled status is to be edited.

Examples with switchboard CT2/8U

To enable receivers 50, 51, 52 and 57 on line 1, enter:

(1) (0) (1) (*) (*) (*) (#) (#) (#) (#) (*).

To enable use of a fax as receiver 53 on line 2, enter:

(1) (0) (2) (#) (#) (#) (*) (#) (#) (#) (#).

Enabling receivers to receive calls coming in on local line (NIGHT mode)

To enable receivers to receive incoming local calls and associate them with the individual local line, **in NIGHT mode (default setting is receiver 50)**, proceed as follows:

Lift the handset and wait for the programming tone.

Dial (1) (1).

Dial (1) or (2) or (3) depending on the number of the chosen local line (3 for GSM line).

Enter in sequence, for each of the 8 receivers, (*) (on), or (#) (off).

Wait for the 3 acknowledgement tones and replace the handset.

Repeat the procedure for each local call to be associated with receivers in NIGHT mode.

Examples with switchboard CT2/8U

To enable receivers 50, 51, 52 and 57 on line 1, enter:

(1) (1) (1) (*) (*) (*) (#) (#) (#) (#) (*).

To enable use of a fax as receiver 53 on line 2, enter:

(1) (1) (2) (#) (#) (#) (*) (#) (#) (#) (#).

PROGRAMMING CALLS

Enabling receivers to make calls on local line (DAY mode)

To enable or disable receivers so that they can/cannot seize a local line for outgoing calls, and associate them with the individual outside line, **in DAY mode (default setting, all receivers are enabled)**, proceed as follows:

Lift the handset and wait for the programming tone.

Dial (1) (4).

Dial (1) or (2) or (3) depending on the number of the chosen local line (3 for GSM line).

Enter in sequence, for each of the 8 receivers, (*) (on), or (#) (off).

Wait for the 3 acknowledgement tones and replace the handset.

Repeat the procedure for outgoing local calls whose enabled/disabled status is to be edited.

Examples with switchboard CT2/8U

To enable receivers 50, 51, 52 and 57 on line 1, enter:

(1) (4) (1) (*) (*) (*) (#) (#) (#) (#) (*).

When using switchboard CT2/8U, without the second local line available, the telephones must be disabled so that they cannot make calls on the same line.

Enabling receivers to make calls on local line (NIGHT mode)

To enable or disable receivers so that they can/cannot seize a local line for outgoing calls, and associate them with the individual outside line, **in NIGHT mode (default setting is receivers 50)**, proceed as follows:

Lift the handset and wait for the programming tone.

Dial (1) (5).

Dial (1) or (2) or (3) depending on the number of the chosen local line (3 for GSM line).

Enter in sequence, for each of the 8 receivers, (*) (on), or (#) (off).

Wait for the 3 acknowledgement tones and replace the handset.

Repeat the procedure for outgoing local calls whose enabled/disabled status is to be edited.

Examples with switchboard CT2/8U

To enable receivers 50, 51, 52 and 57 on line 1, enter:

(1) (5) (1) (*) (*) (*) (#) (#) (#) (#) (*).

PROGRAMMING CALLS

Enabling receivers to receive calls from the entry panel made with button 1 in DAY mode

To enable receivers to receive calls from the entry panel made with button 1 (**default setting is receiver 50**), proceed as follows:

Lift the handset and wait for the programming tone.

Dial (2) (0).

Enter in sequence, for each of the 8 receivers, (*) (**on**), or (#) (**off**).

Wait for the 3 acknowledgement tones and replace the handset.

Examples with switchboard CT2/8U

To enable receivers 50, 51, 52 and 57 to receive the call made with button 1, enter:

(2) (0) (*) (*) (*) (#) (#) (#) (#) (*).

Enabling receivers to receive calls from the entry panel made with button 1 in NIGHT mode

To enable receivers to receive calls from the entry panel made with button 1 (**default setting is receiver 50**), proceed as follows:

Lift the handset and wait for the programming tone.

Dial (2) (2).

Enter in sequence, for each of the 8 receivers, (*) (**on**), or (#) (**off**).

Wait for the 3 acknowledgement tones and replace the handset.

Examples with switchboard CT2/8U

To enable receivers 50, 51, 52 and 57 to receive the call made with button 1, enter:

(2) (2) (*) (*) (*) (#) (#) (#) (#) (*).

PROGRAMMING CALLS

Enabling receivers to receive calls from the entry panel made with button 2 in DAY mode

To enable receivers to receive calls from the entry panel made with button 2 (**default setting is receiver 51**), proceed as follows:

Lift the handset and wait for the programming tone.

Dial (2) (1).

Enter in sequence, for each of the 8 receivers, (*) (**on**), or (#) (**off**).

Wait for the 3 acknowledgement tones and replace the handset.

Examples with switchboard CT2/8U

To enable receivers 50, 51, 52 and 57 to receive the call made with button 2, enter:

(2) (1) (*) (*) (*) (#) (#) (#) (#) (*).

Enabling receivers to receive calls from the entry panel made with button 2 in NIGHT mode

To enable receivers to receive calls from the entry panel made with button 2 (**default setting is receiver 51**), proceed as follows:

Lift the handset and wait for the programming tone.

Dial (2) (3).

Enter in sequence, for each of the 8 receivers, (*) (**on**), or (#) (**off**).

Wait for the 3 acknowledgement tones andreplace the handset.

Examples with switchboard CT2/8U

To enable receivers 50, 51, 52 and 57 to receive the call made with button 1, enter:

(2) (3) (*) (*) (*) (#) (#) (#) (#) (*).

DAY/NIGHT mode switching option

This feature lets you address calls to different receivers based on DAY/NIGHT programming.
The switchboard can be programmed to switch to DAY or NIGHT mode automatically or manually (**default setting is manual**) .
Automatic switching based on intervals during the day is programmable via PC only.
Proceed as follows:

Lift the handset and wait for the programming tone.

Dial (6) (1) (1) for **automatic switching.**

or

Dial (6) (1) (0) for **manual switching.**

Wait for the 3 acknowledgement tones and replace the handset.

ENTRY PANEL PROGRAMMING

When using interface cards CTI/200 and CTI/300, you must make the following settings.

Installation type setting

If you are using interface card CTI/200, the switchboard must be programmed depending on whether the installation is an audio or video entry (**default setting is video entry**). Proceed as follows:

Lift the handset and wait for the programming tone.

Dial (4) (2) (1) for audio entry installations, card CTI/200.

or

Dial (4) (2) (3) for video entry installations.

Wait for the 3 acknowledgement tones and replace the handset.

Conversation time with system-200 audio entry installation

To edit the conversation time between telephones and the entry panel (**default setting 30 s**), proceed as follows:

Lift the handset and wait for the programming tone.

Dial (5) (8).

Dial (1) (0) ÷ (9) (9) to set conversation time in seconds.

Wait for the 3 acknowledgement tones and replace the handset.

ENTRY PANEL PROGRAMMING

Option determining number of rings for call from entry panel (system 200)

To choose the number of rings for calls to the receiver following a call from the entry panel (**default setting 6 rings**), proceed as follows:

Lift the handset and wait for the programming tone.

Dial (5) (1).

Dial (1) ÷ (9) to set the number of rings indicating a call from the entry panel.

Wait for the 3 acknowledgement tones and replace the handset.

Programming code of call from entry panel in system-300 or X2 installations

Set control unit XA/300LR to receiver programming mode by pressing the SERVICE button for at least 3 s, or set X2-series entry panels to programming mode by removing jumper SW2.

1 -Enter CTI/300 programming mode by removing jumper SW1 supplied with the card.

2 -Using a telephone enabled to receive call 1 from the entry panel, press the self-connection (⊟) button or enter (*) (5) (2).

3 -Make the call from the entry panel.

4 -To enter the second call code – if two calls from the entry panel provided for – repeat the procedure described in points 2 and 3 using a telephone enabled to receive call 2 from the entry panel.

5 -Exit CTI/300 programming mode by refitting jumper SW1.

To stop programming all the installation's units, press and release the SERVICE button on control unit XA/300LR or insert jumper SW2 in X2-series entry panels.

ENTRY PANEL PROGRAMMING

Programming operating mode of auxiliary commands P1 and P2

Auxiliary commands P1 and P2 can be programmed for operation in pulse mode lasting 1 s (**default setting**), or in ON/OFF mode (in system 200 only).
Proceed as follows:

Comand P1

Lift the handset and wait for the programming tone.

Dial (5) (2) (1) (0) for **pulse mode (monostable).**

or

Dial (5) (2) (1) (1) for **ON/OFF mode (bistable).**

Wait for the 3 acknowledgement tones and replace the handset.

Command P2

Lift the handset and wait for the programming tone.

Dial (5) (2) (2) (0) for **pulse mode (monostable).**

or

Dial (5) (2) (2) (1) for **ON/OFF mode (bistable).**

Wait for the 3 acknowledgement tones and replace the handset.

Setting activation time of 2 door lock release commands

To set the activation time of the door lock release commands (**default setting 1 s**) in the range 1 to 15 s, using card CTI/200, proceed as follows:

Lift the handset and wait for the programming tone.

Dial (4) (6).

Dial (0) ÷ (1) (5) to set activation time of the 2 door lock release commands.

Wait for the 3 acknowledgement tones and replace the handset.

For systems 300 and X2, using card CTI/300, proceed as indicated in the instructions supplied with the equipment.

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CT1/6U-CT2/8U TELEPHONE SWITCHBOARDS

SUMMARY TABLES

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TELEPHONE SWITCHBOARDS CT1/6U-CT2/8U

SUMMARY TABLES

USER		
Surname	Name	Telephone number
Street		No.
P. code	Town	Connection date

ACTIVATED PROGRAMMING QUICK REFERENCE TABLE RECEIVER

Code	Description	Receivers							
		50	51	52	53	54	55	56	57
10 1	Local line 1 to receive calls (Day mode)	○	○	○	○	○	○	○	○
10 2	Local line 2 to receive calls (Day mode)	○	○	○	○	○	○	○	○
10 3	GSM to receive calls (Day mode)	○	○	○	○	○	○	○	○
11 1	Local line 1 to receive calls (NIGHT mode)	○	●	●	●	●	●	●	●
11 2	Local line 2 to receive calls (NIGHT mode)	○	●	●	●	●	●	●	●
11 3	GSM to receive calls (NIGHT mode)	○	●	●	●	●	●	●	●
14 1	Enabling to make calls on local line 1 (DAY mode)	○	○	○	○	○	○	○	○
14 2	Enabling to make calls on local line 2 (DAY mode)	○	○	○	○	○	○	○	○
14 3	Enabling to make calls on GSM (DAY mode)	○	○	○	○	○	○	○	○
15 1	Enabling to make calls on local line 1 (NIGHT mode)	○	●	●	●	●	●	●	●
15 2	Enabling to make calls on local line 2 (NIGHT mode)	○	●	●	●	●	●	●	●
15 3	Enabling to make calls on GSM (NIGHT mode)	○	●	●	●	●	●	●	●
18 1	Workgroup 1	●	●	●	●	●	●	●	●
18 2	Workgroup 2	●	●	●	●	●	●	●	●
18 3	Workgroup 3	●	●	●	●	●	●	●	●
18 4	Workgroup 4	●	●	●	●	●	●	●	●
20	Call 1 from entry panel (DAY mode)	○	●	●	●	●	●	●	●
21	Call 2 from entry panel (DAY mode)	●	○	●	●	●	●	●	●
22	Call 1 from entry panel (NIGHT mode)	○	●	●	●	●	●	●	●
23	Call 2 from entry panel (NIGHT mode)	●	○	●	●	●	●	●	●
24	International direct dialling restriction	●	●	●	●	●	●	●	●
25	Disabling dialling of table 1 area codes	●	●	●	●	●	●	●	●
26	Disabling dialling of table 2 area codes	●	●	●	●	●	●	●	●
27	Enabling dialling of table 3 area codes	●	●	●	●	●	●	●	●
29	Enabling long flash	●	●	●	●	●	●	●	●
30	Automatic FAX switching	●	●	●	●	●	●	●	●
32	Enabling voicemail box (max. 6)	●	●	●	●	●	●	●	●
33	Receivers with data protection	●	●	●	●	●	●	●	●

○ = Function ON ● = Function OFF

ACTIVATED PROGRAMMING QUICK REFERENCE TABLE TELEPHONE SWICHBOARD

Code	Description	Data entered	
40 1	Dialling mode for each local line:	1	(0)
40 2	0 = decadic mode	1	(0)
	1 = DTMF		
41 1	Switchboard's automatic answer	0	(1, 4, 5)
41 2	for each local line (DISA):	0	(1, 4, 5)
41 3	0 = not activated	0	(1, 4, 5)
	1 = activated + fax mode		
	4 = activated + DISA mode		
	5 = activated + fax/DISA mode		
42	Installation type:	3	(1)
	1 = audio entry 3 = video entry		
43	Local line access time after hang-up:	0	(1)
	0 = 3 s 1 = 0.3 s		
44	Number of rings on telephone to indicate DISA call	9	(2÷9)
45	Max. conversation time of call rerouted onto local line	2 min	(1÷9 min)
46	Activation time of 2 door lock release commands	1 s	(1÷15 s)
47	Call waiting notification: 0 = always 1 = only when ...	0	(1)
49	Hold option: 0 = Hold tone 1 = music	0	(1)
50	Type of dial prompt for inward DISA callers:	0	(1)
	0 = tone 1 = messagge		
51	Number of rings for call from entry panel	6	(1÷9)
52 1	Comand P 1: 0 = monostable 1 = bistable	0	(1)
52 2	Comand P 2: 0 = monostable 1 = bistable	0	(1)
53	Number of rings for switchboard's automatic answer	3	(3÷9)
54	Printing mode option:	0	(1)
	0 = printing from log only		
	1 = online printing		
55	Printout with last 4 digits masked: 0 = no 1 = yes	0	(1)
57	Dialling waiting time after switchboard's	10 s	(5÷59 s)
	automatic answer		
58	Conversation time with system-200	30 s	(10÷99 s)
	audio entry installation		
61	DAY/NIGHT mode switching	0	(1)
	option: 0 = manual 1 = automatic		

ACTIVATED PROGRAMMING QUICK REFERENCE TABLE TELEPHONE SWICHBOARD

Code	Description	Data entered
62 50	Local call ring delay	0 (0÷9)
62 51	on each receiver	0 (0÷9)
62 52		0 (0÷9)
62 53		0 (0÷9)
62 54		0 (0÷9)
62 55		0 (0÷9)
62 56		0 (0÷9)
62 57		0 (0÷9)
63	Local area code	---- (max. 4 digits)
64	Alternative telephone company	---- (max. 8 digits)
	abbreviated code max. 8 digits	
69	System PASSWORD	----
70 00÷49	50 general speed dial numbers	---- (max. 32 digits)
71 50÷57 0÷15	16 personal speed dial numbers for each receiver	---- (max. 32 digits)
72 0	Inhibited area codes in table 1	----
72 1		----
72 2		----
72 3		----
72 4		----
72 5		----
72 6		----
72 7		----
72 8		----
72 9		----

ACTIVATED PROGRAMMING QUICK REFERENCE TABLE TELEPHONE SWICHBOARD

Code	Description	Data entered
73 0	Inhibited area codes in table 2	----
73 1		----
73 2		----
73 3		----
73 4		----
73 5		----
73 6		----
73 7		----
73 8		----
73 9		----
74 0	Permissible area codes in table 3	----
74 1		----
74 2		----
74 3		----
74 4		----
74 5		----
74 6		----
74 7		----
74 8		----
74 9		----
75 50	Association of receivers with predetermined	50 (51÷57)
75 51	rerouting to other receiver	50 (51÷57)
75 52		50 (51÷57)
75 53		50 (51÷57)
75 54		50 (51÷57)
75 55		50 (51÷57)
75 56		50 (51÷57)
75 57		50 (51÷57)
80	System calendar	(h/min/s/date/month/
		year/day)

QUICK REFERENCE TABLE: 50 GENERAL SPEED DIAL NUMBERS

Speed dial No.	Name/Telephone Number
00	
01	
02	
03	
04	
05	
06	
07	
08	
09	
10	
11	
12	
13	
14	
15	
16	
17	
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23	
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31	
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34	
35	
36	

QUICK REFERENCE TABLE: 50 GENERAL SPEED DIAL NUMBERS

Speed dial No.	Name/Telephone Number
37	
38	
39	
40	
41	
42	
43	
44	
45	
46	(allarm)
47	(entry panel/LL rerouting)
48	(LL/LL rerouting)
49	(Hotline)

QUICK REFERENCE TABLE: 16 PERSONAL SPEED DIAL NUMBERS FOR EACH RECEIVER

Receiver	Speed dial No.	Name/Telephone Number
50	0	
50	1	
50	2	
50	3	
50	4	
50	5	
50	6	
50	7	
50	8	
50	9	
50	10	
50	11	
50	12	
50	13	
50	14	
50	15	
51	0	
51	1	
51	2	
51	3	
51	4	
51	5	
51	6	
51	7	
51	8	
51	9	
51	10	
51	11	
51	12	
51	13	
51	14	
51	15	

QUICK REFERENCE TABLE: 16 PERSONAL SPEED DIAL NUMBERS FOR EACH RECEIVER

Receiver	Speed dial No.	Name/Telephone Number
52	0	
52	1	
52	2	
52	3	
52	4	
52	5	
52	6	
52	7	
52	8	
52	9	
52	10	
52	11	
52	12	
52	13	
52	14	
52	15	
53	0	
53	1	
53	2	
53	3	
53	4	
53	5	
53	6	
53	7	
53	8	
53	9	
53	10	
53	11	
53	12	
53	13	
53	14	
53	15	

QUICK REFERENCE TABLE: 16 PERSONAL SPEED DIAL NUMBERS FOR EACH RECEIVER

Receiver	Speed dial No.	Name/Telephone Number
54	0	
54	1	
54	2	
54	3	
54	4	
54	5	
54	6	
54	7	
54	8	
54	9	
54	10	
54	11	
54	12	
54	13	
54	14	
54	15	
55	0	
55	1	
55	2	
55	3	
55	4	
55	5	
55	6	
55	7	
55	8	
55	9	
55	10	
55	11	
55	12	
55	13	
55	14	
55	15	

QUICK REFERENCE TABLE: 16 PERSONAL SPEED DIAL NUMBERS FOR EACH RECEIVER

Receiver	Speed dial No.	Name/Telephone Number
56	0	
56	1	
56	2	
56	3	
56	4	
56	5	
56	6	
56	7	
56	8	
56	9	
56	10	
56	11	
56	12	
56	13	
56	14	
56	15	
57	0	
57	1	
57	2	
57	3	
57	4	
57	5	
57	6	
57	7	
57	8	
57	9	
57	10	
57	11	
57	12	
57	13	
57	14	
57	15	

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